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IN THE CLAIMS

Please amend Claim 1 as follows.

1. (Currently Amended) A data processing unit for executing an encrypted software program, the data processing unit comprising:

a processor for decrypting the encrypted software program and for executing software program, the processor including an identifying number, the identifying number being accessible only by the processor; and

a memory unit, the memory unit storing the decryption procedure, the encrypted program being encrypted using at least a portion of the identifying number;

wherein, when the processor is to execute the software program, the software program is decrypted using ~~the at least a portion of the identifying number~~ the decryption procedure along with the identifying number.

2. (Original) The data processing unit as recited in claim 1 wherein the encrypted software program is stored in the memory unit.

3. (Original) The data processing unit as recited in claim 1 further comprising an external memory unit, wherein the encrypted software program is stored in an external memory unit.

4. (Original) The data processing unit as recited in claim 1 wherein the identifying number is a serial number.

1 5. (Original) The data processing unit as recited in
2 claim 1 wherein the identifying number is associated with a
3 plurality of data processing units.

4
5 Please amend Claim 6 as follows.

6
7 6. (Currently Amended) A method for protecting software
8 programs, the method comprising:

9 providing a data processing unit with an identifying
10 number, the identifying number being accessible only by the
11 processing unit;

12 encrypting a software program external to the data
13 processing unit using at least a portion of the identifying
14 number; and

15 decrypting the encrypted software program prior for
16 execution of the software program by the data processing
17 unit using the identifying number and a decryption
18 procedure stored in the processing unit.

19
20 Please cancel Claim 7.

21
22 7. (Cancelled) ~~The method as recited in claim 6 further~~
23 ~~comprising the step of storing the identifying number in~~
24 ~~non-volatile memory unit accessible only to the data~~
25 ~~processing unit.~~

26

1 Please amend Claim 8 as follows.

2

3 8. (Currently Amended) The method as recited in claim 7
4 6 wherein the identifying number is a serial number for the
5 data processing unit.

6

7 Please amend Claim 9 as follows.

8

9 9. (Currently Amended) The method as recited in claim 7
10 6 wherein the encrypted software program is stored external
11 to the data processing unit.

12

13 Please amend Claim 10 as follows.

14

15 10. (Currently Amended) The method as recited in claim 7
16 wherein the encrypted program is stored in data processing
17 unit.

18

19 Please amend Claim 11 as follows.

20

21 11. (Currently Amended) A data processing system, the
22 system comprising:

23 a host data processing unit, the data processing unit
24 including an identifying number stored therein, the
25 identifying number being accessible only by the data
26 processing unit, the host processing unit encrypting a
27 software program using at least a portion of the
28 identifying number; and

29 a decryption target data processing unit, the
30 decryption target data processing unit decrypting software

1 programs with a software procedure using a decryption key
2 based on the identifying number;

3 wherein the data processing unit decodes an encrypted
4 software program applied thereto using the decryption key.

5

6 **Please amend Claim 12 as follows.**

7

8 12. (Currently Amended) The system as recited in claim 11
9 wherein the identifying number is the data processing unit
10 serial number.

11

12 **Please amend Claim 13 as follows.**

13

14 13. (Currently Amended) The system as recited in claim 11
15 further comprising a memory unit external to the target
16 data processing unit, the memory unit storing encrypted
17 software programs.

18

19 **Please amend Claim 14 as follows.**

20

21 14. (Currently Amended) The system as recited in claim 11
22 further comprising a memory unit in the target data
23 processing unit, the memory unit storing encrypted software
24 programs prior to decryption.

25

26 **Please amend Claim 15 as follows.**

27

28 15. (Currently Amended) The system as recited in claim 11
29 wherein an encrypted program is decrypted as an entity or

1 on the fly prior to execution of the software program by
2 the target data processing unit.

3

4 **Please cancel Claim 16.**

5

6 16. (Cancelled) ~~The system as recited in claim 11~~
7 ~~wherein the encrypted program is stored external to the~~
8 ~~data processing unit.~~

9

10 **Please cancel Claim 17.**

11

12 17. (Cancelled) ~~The system as recited in claim 11~~
13 ~~wherein an encrypted program is stored in the data~~
14 ~~processing unit.~~

15

16 **Please amend Claim 18 as follows.**

17

18 18. (Currently Amended) The system as recited in claim 15
19 wherein decrypted portions of the software program are
20 stored in a protected memory unit accessible to only the
21 associated target data processing unit.

22

23 **Please amend Claim 19 as follows.**

24

25 19. (Currently Amended) The A method for protecting an
26 execution of a software file, the method comprising:

27 providing a target processor ~~having~~ with an
28 identifying/serial number accessible only to the target
29 processor;

1 encrypting the software file using at least a portion
2 of the identifying/serial number; and
3 applying the encrypted software file to the target
4 processor;
5 decrypting the encrypted software file using a
6 decryption procedure stored in the target processor and the
7 identifying/serial number.

8
9 **Please cancel Claim 20.**

10
11 20. (**Cancelled**) ~~The method as recited in claim 19~~
12 ~~further comprising, in the target processor, decrypting the~~
13 ~~encrypted software file based on the identifying serial~~
14 ~~number.~~

15
16 **Please amend Claim 21 as follows.**

17
18 21. (**Currently Amended**) An apparatus for secure transfer
19 of software files, the apparatus comprising:

20 a first processor, the first processor having a
21 program for encrypting a software file using an
22 identifying/serial number; and

23 a second processor, the second processor having a
24 program decryption procedure for decrypting software files
25 using at least a portion of an identifying/serial number
26 stored in the second processor, the stored
27 identifying/serial number being accessible only to the
28 target processor.

1 ~~wherein the first processor encrypts the software file~~
2 ~~using a copy of the at least a portion of the~~
3 ~~identifying/serial number.~~

4

5 **Please cancel Claim 22.**

6

7 22. **(Cancelled)** ~~The apparatus as recited in claim 21~~
8 ~~wherein the copy of the at least a portion of the~~
9 ~~identifying/serial number is accessible only to the first~~
10 ~~processor.~~

11

12 **Please amend Claim 23 as follows.**

13

14 23. **(Currently Amended)** The apparatus as recited in claim
15 22 21 wherein the at least a portion of the
16 identifying/serial number is accessed by the first
17 processor based on an indicia of the second processor.

18

19 24. **(Original)** The apparatus as recited in claim 21
20 wherein an encrypted software file is stored in an
21 unsecured storage unit.

22

23 **Please amend Claim 25 as follows.**

24

25 25. **(Currently Amended)** The apparatus as recited in claim
26 ~~21~~ 24 wherein the encrypted software file is stored in an
27 unsecured storage unit prior to decryption.